

MATERIAL SAFETY DATA SHEET

Page 1 of 5

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Duro(R) Almond Appliance Touch-up
 Item No.: 82056
 Part No.: PG-12
 Product Type: Almond Appliance Touch-up

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
TOLUENE*	108-88-3	30-35
ISOPROPYL ALCOHOL	67-63-0	5-10
Methyl isobutyl ketone*	108-10-1	5-10
XYLENES*	1330-20-7	1-5
n-BUTYL ACETATE	123-86-4	1-5
ETHYL ALCOHOL	64-17-5	1-5
METHYL ETHYL KETONE*	78-93-3	1-5
Light aromatic solvent naphtha	64742-95-6	1-5
2-BUTOXYETHANOL*	111-76-2	1-5
Butoxyethyl acetate*	112-07-2	1-5
TITANIUM DIOXIDE	13463-67-7	
Phthalate ester	26761-40-0	
Hydrocarbon resin		

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
TOLUENE	50 ppm skin 188 mg/M3 skin	100 ppm 375mg/M3	None
ISOPROPYL ALCOHOL	400 ppm TWA 983 mg/m3	400 ppm TWA 980 mg/m3	400 ppm TWA DuPont AEL
Methyl isobutyl ketone	50 ppm 205 mg/m3	50 ppm 205 mg/m3	None
XYLENES	100 ppm TWA 434 mg/m3	100 ppm TWA 435 mg/m3	None
n-BUTYL ACETATE	150 ppm TWA 713 mg/m3	150 ppm TWA 710 mg/m3	None
ETHYL ALCOHOL	1000 ppm TWA 1880 mg/m3	1000 ppm TWA 1900 mg/m3	None
METHYL ETHYL KETONE	200 ppm TWA 590 mg/m3	200 ppm TWA 590 mg/m3	None
Light aromatic solvent naphtha	None	None	50ppm
2-BUTOXYETHANOL	20 ppm TWA skin	50 ppm TWA skin 120mg/m3 skin	None
Butoxyethyl acetate	None	None	5ppm TWA 25 ppm TWA
TITANIUM DIOXIDE	10 mg/m3	15 mg/m3 Total dust	
Phthalate ester			
Hydrocarbon resin			

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
TOLUENE	None	150 ppm 560mg/M3
ISOPROPYL ALCOHOL	500 ppm 1230 mg/m3	500 ppm 1225 mg/m3
Methyl isobutyl ketone	75 ppm 307 mg/m3	75 ppm 300 mg/m3
XYLENES	150 ppm 651 mg/m3	150 ppm 655 mg/m3
n-BUTYL ACETATE	200 ppm 950 mg/m3	200 ppm 950 mg/m3
METHYL ETHYL KETONE	300 ppm 885 mg/m3	300 ppm 885 mg/m3
TITANIUM DIOXIDE		
Phthalate ester		

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MATERIAL SAFETY DATA SHEET

Page 2 of 5

Product Name: Duro(R) Almond Appliance Touch-up
Item No.: 82056

2. COMPOSITION, INFORMATION ON INGREDIENTS (continued)

Hydrocarbon resin

3. HAZARDS IDENTIFICATION

Toxicity:
EYE: This material can cause severe eye irritation redness, tearing and blurred vision.
SKIN: This product may cause skin irritation. Prolonged or repeated contact may cause redness, burning, defatting or dermatitis. This product is is not known to be a skin sensitizer. Components of this product can be absorbed through the skin in toxic amounts.
INHALATION: This material may cause nasal or respiratory irritation. Symptoms include central nervous system depression characterized by headache, dizziness, fatigue, loss of coordination nausea, unconsciousness or even asphyxiation.
INGESTION: Can cause gastrointestinal irritation, nausea, vomiting or diarrhea. Aspiration of material into lungs (during swallowing or vomiting) can cause chemical pneumonitis which can be fatal.
CHRONIC HAZARDS: Components of this product have been found to cause the following in laboratory animals: CNS damage, liver abnormalities, kidney damage, eye damage, lung damage, spleen damage, brain damage, anemia, blood changes. Components of this product have been suggested as a cause of liver abnormalities, eye and CNS damage in humans. Components of this product have been suggested as a cause of cardiac abnormalities and CNS damage in humans.
Primary Routes of Entry: Skin contact, skin absorption, inhalation, ingestion and eye contact.
Signs and Symptoms of Exposure: SEE TOXICITY
Existing Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

Ingredients	Literature Referenced		Carcinogen		
	Target Organ and Other Health Effects		NTP	IARC	OSHA
TOLUENE	BEH	CAR CNS DEV EAR IRR	NO	NO	NO
ISOPROPYL ALCOHOL	ALG	BLO CNS IRR KID	NO	N/A	NO
Methyl isobutyl ketone	CNS	IRR	NO	NO	NO
XYLENES	CAR	CNS IRR KID LIV	NO	NO	NO
n-BUTYL ACETATE	CNS	IRR	NO	NO	NO
ETHYL ALCOHOL	CNS	IRR	NO	N/A	NO
METHYL ETHYL KETONE	CNS	IRR	NO	N/A	NO
Light aromatic solvent naphtha	NTD		NO	NO	NO
2-BUTOXYETHANOL	BLO	CNS IRR KID	NO	NO	NO
Butoxyethyl acetate	BEH	BLO BNM CNS IRR KID LIV LUN	NO	NO	NO
TITANIUM DIOXIDE	IRR	RES			
Phthalate ester	ALG	IRR			
Hydrocarbon resin					

Abbreviations

N/A Not Applicable	ALG Allergen
BEH Behavioral	BLO Blood
BNM Bone Marrow	CAR Cardiac
CNS Central nervous system	DEV Developmental
EAR Ear	IRR Irritant
KID Kidney	LIV Liver
LUN Lung	NTD No Target Organs
RES Respiratory	

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Page 3 of 5

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4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Keep head below hips. Get immediate medical attention.
Inhalation: Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician.
Skin Contact: Remove from skin using soap and water. Remove and launder contaminated clothing.
Eye Contact: Flush immediately with copious quantities of running water for at least 15 minutes. Take to a physician for definitive medical treatment.

5. FIRE FIGHTING MEASURES

Flash Point: 21°F Method: Setaflash Closed Cup
Recommended Extinguishing Agents: Alcohol foam, carbon dioxide, foam, dry chemical, water fog.
Special Firefighting Procedures: Use full protective equipment, including self-contained breathing apparatus with full face shield and positive pressure mode to protect firefighters from hazardous combustion products.
Hazardous Products formed by Fire or Thermal Decomposition: Toxic fumes such as CO, CO2, and various Hydrocarbons
Unusual Fire or Explosion Hazards: Product is flammable and may be ignited by heat, flame, sparks or static discharge. Product vapors are heavier than air and may travel along floor to be ignited (by smoking, heaters, electric motors, pilot lights, etc.) at locations distant from material handling point. Closed containers may explode when exposed to extreme heat.

Explosive Limits:
(% by volume in air) Lower 0.5%
(% by volume in air) Upper 19.0%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Remove all sources of ignition (flames, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Dike area to prevent material from entering drains or sewers. Remove with inert absorbent.

7. HANDLING AND STORAGE

Safe Storage: Do not store above 120°F. Keep containers tightly closed. Store large quantities in buildings designed to comply with OSHA 1910.106.
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Keep away from open flame. Warnings apply to empty containers.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Use safety eyewear designed to protect against splash of liquid. Do not use this material while wearing contact lenses.
Skin: Gloves made of impervious materials are recommended for prolonged or repeated contact with this product.
Ventilation: Provide local exhaust ventilation/general dilution in volume and pattern to keep TLV & LEL or most hazardous ingredient below limits. Heavy solvent vapors should be removed from lower levels of area.
Respiratory: In open areas use NIOSH approved mechanical respirator to remove solid airborne particles of overspray during spray application. In restricted

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Page 4 of 5

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION (continued)

ventilation areas use NIOSH approved chemical and mechanical filters designed to remove a combination of particulate and vapor. In confined areas use NIOSH approved air line type respirator or hood.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Almond Paint
Odor: Hydrocarbon
Boiling Point: 167-379°F
pH: 0.0%
Solubility in Water: Negligible
Specific Gravity: 1.0096
Volatile Organic Compound (EPA Method 24): Not available
Vapor Pressure: Not available
Vapor Density: Is heavier than air.
Evaporation Rate (Ether = 1): Is faster than Butyl Acetate.

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage conditions.
Hazardous Polymerization: Will not occur under normal conditions.
Incompatibility: Strong oxidizing agents.
Conditions to Avoid: None established
Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Before attempting clean up, refer to hazard caution information in other sections of this sheet.

EPA Hazardous Waste Number: D001

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport
Proper Shipping Name: Consumer Commodity (Not more than one liter);
Paint (More than one liter)
Hazard Class or Division: ORM-D (Not more than one liter);
Class 3, Packing Group II (More than one liter)
Identification Number: None (Not more than one liter);
UN 1263 (More than one liter)
Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 500 ml);
Paint (More than 500 ml)
Class or Division: Class 9 (Not more than 500 ml);
Class 3, Packing Group II (More than 500 ml)
UN or ID Number: ID 8000 (Not more than 500 ml);
UN 1263 (More than 500 ml)

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Page 5 of 5

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15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to
the State of California to cause birth
defects or other reproductive harm.
Toluene

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HM15(R) Code:
Health Hazard: 2*
Flammability Hazard: 3
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HM15 is a registered trademark of the National Paint and Coatings Assn.

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